

PLT Beam Test Fermilab 2010

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Purpose of the test

- Telescope System Test

- Optical Readout

- Configuration of the Front End Controller (FEC) and FED

- ✓ Configuration of trigger and readout timing

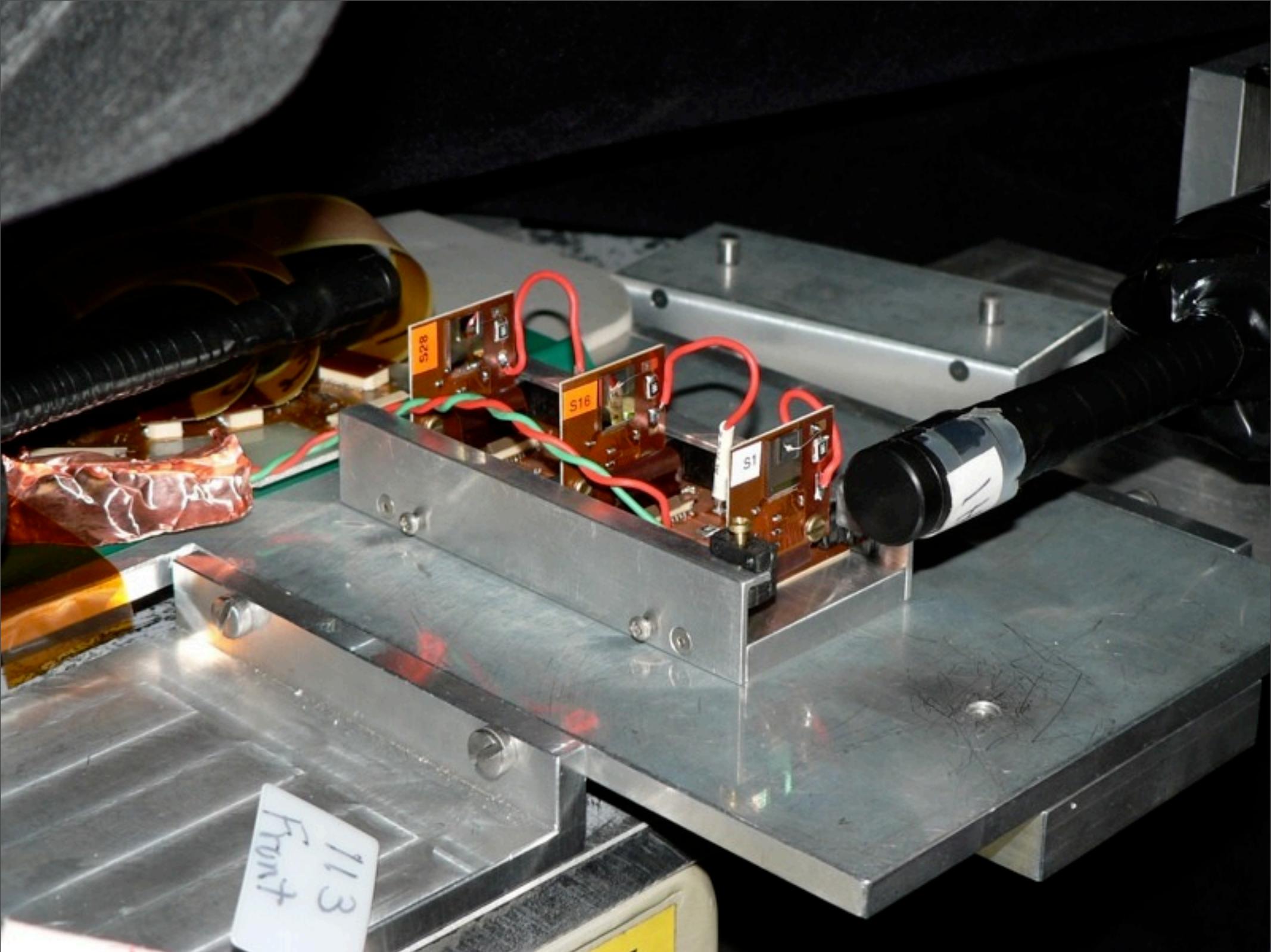
- In situ detector calibration

- ✓ Detector performance:

- ✓ tracking/trigger efficiency

- particle response

- etc



Tuesday, March 23, 2010

Some of the results

- Collected almost 1M of triggers
- Prompt feedback analysis:
 - [http://www.physics.rutgers.edu/~oleksiy/plt/
fermilab_beam_test_2010/](http://www.physics.rutgers.edu/~oleksiy/plt/fermilab_beam_test_2010/)
- Detailed low/high level information, e.g.
 - [http://www.physics.rutgers.edu/~oleksiy/plt/
fermilab_beam_test_2010/analysis/070/](http://www.physics.rutgers.edu/~oleksiy/plt/fermilab_beam_test_2010/analysis/070/)
- Ongoing analysis of the tracking and timing

Overall experience

- Lots of help
 - ESH: Safety and Rad training only for our group
 - help in interacting with beams devision
 - well equipped test area and control room
 - complimentary bagels